

WHAT IS CLAIMED IS:

1. A thermal recording material comprising a  
heat-sensitive recording layer formed on a support and  
5 color-developed by heat, and a protective layer formed on the  
heat-sensitive recording layer and mainly composed of a resin  
emulsion (a),

wherein, (1) the resin emulsion (a) comprises a copolymer  
resin emulsion (b) containing (meth)acrylonitrile and a vinyl  
10 monomer copolymerizable therewith, and having an SP value  
(solubility parameter) of 12.0 or more, a glass transition  
temperature (Tg) of 10 to 70°C, and a minimum film-forming  
temperature (MFT) of 5°C or less, and a polyolefin copolymer resin  
emulsion (c),

15 (2) 1 to 10 parts by weight of vinyl monomers having a  
carboxyl group is comprised in 100 parts by weight of the solid  
content of the copolymer resin emulsion (b), and

(3) the protective layer does not contain a crosslinking  
agent.

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2. The thermal recording material according to claim 1,  
wherein a solid content weight ratio of the copolymer resin  
emulsion (b)/the polyolefin copolymer resin emulsion (c) in the  
resin emulsion (a) is in a range from 100/10 to 100/0.5.

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3. The thermal recording material according to claim 1 or 2, wherein the polyolefin copolymer resin emulsion (c) is at least one selected from the group consisting of a homopolymer of an  $\alpha$ -olefin having 2 to 16 carbon atoms and a copolymer of two or  
5 more of the  $\alpha$ -olefins.